

Attorney Docket No. 740756-2694

Serial No. 10/757,459

Page 2

Amendments to the Claims:

1. (Currently Amended) A manufacturing method of a liquid crystal display device, comprising:

forming a seal material layer that surrounds a pixel area provided on a first substrate by ink-jet;

discharging a plurality of droplets containing a liquid crystal by ink-jet only on a region of the first substrate, the region being surrounded by the seal material layer;

pasting the first substrate and a second substrate; and

dividing the pasted first and second substrates[.].

wherein the plurality of droplets containing the liquid crystal are discharged on the region under reduced pressure.

2. (Currently Amended) A manufacturing method of a liquid crystal display device, comprising:

forming a first seal material layer that surrounds a pixel area provided on a first substrate by ink-jet;

forming a second seal material layer on a second substrate by ink-jet;

forming a liquid crystal layer by selectively discharging a plurality of droplets containing a liquid crystal by ink-jet only on a region of the first substrate, the region being surrounded by the first seal material layer;

pasting the first substrate and the second substrate; and

dividing the pasted first and second substrates[.].

wherein the plurality of droplets containing the liquid crystal are discharged on the region under reduced pressure.

3. (Withdrawn) A manufacturing method of a liquid crystal display device, comprising:

forming a first seal material layer that surrounds a pixel area provided on a first substrate;

forming a second seal material layer on a second substrate;

Attorney Docket No. 740756-2694

Serial No. 10/757,459

Page 3

forming a first liquid crystal layer by selectively discharging a plurality of droplets containing a liquid crystal only on a first region of the first substrate, the first region being surrounded by the first seal material layer;

forming a second liquid crystal layer by selectively discharging a plurality of droplets containing a liquid crystal only on a second region of the second substrate, the second region being surrounded by the second seal material layer; and

pasting the first substrate and second substrate so that the first and second liquid crystal layers contact and overlap one another.

4. (Previously Presented) A manufacturing method of a liquid crystal display device according to claim 1, wherein the plurality of droplets is discharged over a pixel electrode provided on the pixel area from a plurality of nozzles.

5. (Previously Presented) A manufacturing method of a liquid crystal display device according to claim 2, wherein the plurality of droplets is discharged over a pixel electrode provided on the pixel area from a plurality of nozzles.

6. (Withdrawn) A manufacturing method of a liquid crystal display device according to claim 3, wherein the plurality of droplets is discharged over a pixel electrode provided on the pixel area from a plurality of nozzles.

7. (Original) A manufacturing method of a liquid crystal display device according to claim 1, wherein the step of discharging the plurality of droplets containing the liquid crystal is carried out while the first substrate is heated.

8. (Original) A manufacturing method of a liquid crystal display device according to claim 2, wherein the step of discharging the plurality of droplets containing the liquid crystal is carried out while the first substrate is heated.

9. (Withdrawn) A manufacturing method of a liquid crystal display device according to claim 3, wherein the step of discharging the plurality of droplets containing the liquid crystal is carried out while the first substrate is heated.

Attorney Docket No. 740756-2694

Serial No. 10/757,459

Page 4

10. (Previously Presented) A manufacturing method of a liquid crystal display device according to claim 1, wherein the steps of pasting the first and second the substrates is carried out in an inert atmosphere under an atmospheric pressure, or under reduced pressure.

11. (Previously Presented) A manufacturing method of a liquid crystal display device according to claim 2, wherein the steps of pasting the first and second the substrates is carried out in an inert atmosphere under an atmospheric pressure, or under reduced pressure.

12. (Withdrawn) A manufacturing method of a liquid crystal display device according to claim 3, wherein the steps of pasting the first and second the substrates is carried out in an inert atmosphere under an atmospheric pressure, or under reduced pressure.

13. (Previously Presented) A manufacturing method of a liquid crystal display device according to claim 1, wherein the plurality of droplets containing the liquid crystal are discharged over a pixel electrode under reduced pressure.

14. (Previously Presented) A manufacturing method of a liquid crystal display device according to claim 2, wherein the plurality of droplets containing the liquid crystal are discharged over a pixel electrode under reduced pressure.

15. (Previously Presented) A manufacturing method of a liquid crystal display device according to claim 1, wherein the step of discharging the plurality of the droplets containing the liquid crystal is preformed in an inert atmosphere under 1×10^2 Pa to 2×10^4 Pa.

16. (Original) A manufacturing method of a liquid crystal display device according to claim 2, wherein the step of discharging the plurality of the droplets containing the liquid crystal is preformed in an inert atmosphere under 1×10^2 Pa to 2×10^4 Pa.

17. (Withdrawn) A manufacturing method of a liquid crystal display device according to claim 3, wherein the step of discharging the plurality of the droplets containing the liquid crystal is preformed in an inert atmosphere under 1×10^2 Pa to 2×10^4 Pa.

10228153.1

Attorney Docket No. 740756-2694

Serial No. 10/757,459

Page 5

18. (Original) A manufacturing method of a liquid crystal display device according to claim 1, wherein the step of discharging the plurality of the droplets containing the liquid crystal is preformed in a vacuum at 1 Pa to 5×10^4 Pa.

19. (Original) A manufacturing method of a liquid crystal display device according to claim 2, wherein the step of discharging the plurality of the droplets containing the liquid crystal is preformed in a vacuum at 1 Pa to 5×10^4 Pa.

20. (Withdrawn) A manufacturing method of a liquid crystal display device according to claim 3, wherein the step of discharging the plurality of the droplets containing the liquid crystal is preformed in a vacuum at 1 Pa to 5×10^4 Pa.

21. (Original) A manufacturing method of a liquid crystal display device according to claim 1, wherein the liquid crystal is applied intermittently.

22. (Original) A manufacturing method of a liquid crystal display device according to claim 2, wherein the liquid crystal is applied intermittently.

23. (Withdrawn) A manufacturing method of a liquid crystal display device according to claim 3, wherein the liquid crystal is applied intermittently.

24. (Original) A manufacturing method of a liquid crystal display device according to claim 1, wherein the liquid crystal is applied continuously.

25. (Original) A manufacturing method of a liquid crystal display device according to claim 2, wherein the liquid crystal is applied continuously.

26. (Withdrawn) A manufacturing method of a liquid crystal display device according to claim 3, wherein the liquid crystal is applied continuously.

27. (Original) A manufacturing method of a liquid crystal display device according to claim 1, wherein the liquid crystal display device is an active matrix type.

Attorney Docket No. 740756-2694

Serial No. 10/757,459

Page 6

28. (Original) A manufacturing method of a liquid crystal display device according to claim 2, wherein the liquid crystal display device is an active matrix type.

29. (Withdrawn) A manufacturing method of a liquid crystal display device according to claim 3, wherein the liquid crystal display device is an active matrix type.

30. (Original) A manufacturing method of a liquid crystal display device according to claim 1, wherein the liquid crystal display device is a passive matrix type.

31. (Original) A manufacturing method of a liquid crystal display device according to claim 2, wherein the liquid crystal display device is a passive matrix type.

32. (Withdrawn) A manufacturing method of a liquid crystal display device according to claim 3, wherein the liquid crystal display device is a passive matrix type.

33-34. (Canceled)

35. (Withdrawn) A manufacturing method of a liquid crystal display device according to claim 3, wherein the step of discharging the plurality of droplets containing the liquid crystal is carried out by ink jet.

36. (Previously Presented) A liquid crystal display device, comprising:
a pair of substrates which are pasted together with a first seal material that surrounds a pixel area and a second seal material that surrounds the first seal material;
a liquid crystal retained in a region surrounded by the first seal material; and
a filler material including a resin formed between the first seal material and the second seal material.

37. (Original) A liquid crystal display device according to claim 36, wherein the first seal material and the second seal material have closed patterns.

38. (Original) A liquid crystal display device according to claim 36, wherein a driver circuit is disposed between the first seal material and the second seal material.

10228153.1

PAGE 9/16 * RCVD AT 12/20/2006 1:40:07 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-3/2 * DNIS:2738300 * CSID:866 741 0075 * DURATION (mm:ss):04:58

BEST AVAILABLE COPY

Attorney Docket No. 740756-2694
Serial No. 10/757,459
Page 7

39. (Original) A method according to claim 1, wherein the liquid crystal display device is incorporated with an electronic device selected from the group consisting of a personal computer, a mobile computer, a CD player, a DVD player, a portable book and a display device.

40. (Original) A method according to claim 2, wherein the liquid crystal display device is incorporated with an electronic device selected from the group consisting of a personal computer, a mobile computer, a CD player, a DVD player, a portable book and a display device.

41. (Withdrawn) A method according to claim 3, wherein the liquid crystal display device is incorporated with an electronic device selected from the group consisting of a personal computer, a mobile computer, a CD player, a DVD player, a portable book and a display device.

42. (Original) An electronic device comprising the liquid crystal display device according to claim 36, wherein the electronic device is selected from the group consisting of a personal computer, a mobile computer, a CD player, a DVD player, a portable book and a display device.

43. (Previously Presented) A manufacturing method of a liquid crystal display device according to claim 1, wherein the first substrate is formed from a plastic substrate and the second substrate is formed from a plastic substrate.

44. (Previously Presented) A manufacturing method of a liquid crystal display device according to claim 1, wherein a column spacer formed of resin is formed between the first substrate and the second substrate.

45. (Previously Presented) A manufacturing method of a liquid crystal display device according to claim 2, wherein the first substrate is formed from a plastic substrate and the second substrate is formed from a plastic substrate.

Attorney Docket No. 740756-2694

Serial No. 10/757,459

Page 8

46. (Previously Presented) A manufacturing method of a liquid crystal display device according to claim 2, wherein a column spacer formed of resin is formed between the first substrate and the second substrate.

47. (Previously Presented) An electronic device comprising the liquid crystal display device according to claim 36, wherein the pair of substrates is formed from a plastic substrate.

48. (Previously Presented) An electronic device comprising the liquid crystal display device according to claim 36, wherein a column spacer formed of resin is formed between the pair of substrates.

49. (New) A manufacturing method of a liquid crystal display device, comprising:
forming a seal material layer that surrounds a pixel area provided on a first substrate;
discharging a plurality of droplets containing a liquid crystal by ink-jet only on a region of the first substrate, the region being surrounded by the seal material layer;
pasting the first substrate and a second substrate; and
dividing the pasted first and second substrates,
wherein the plurality of droplets containing the liquid crystal are discharged from a plurality of nozzles while moving the plurality of nozzles.

50. (New) A manufacturing method of a liquid crystal display device, comprising:
forming a first seal material layer that surrounds a pixel area provided on a first substrate;
forming a second seal material layer on a second substrate;
forming a liquid crystal layer by selectively discharging a plurality of droplets containing a liquid crystal by ink-jet only on a region of the first substrate, the region being surrounded by the first seal material layer;
pasting the first substrate and the second substrate; and
dividing the pasted first and second substrates,
wherein the plurality of droplets containing the liquid crystal are discharged from a plurality of nozzles while moving the plurality of nozzles.

Attorney Docket No. 740756-2694
Serial No. 10/757,459
Page 9

51. (New) A manufacturing method of a liquid crystal display device according to claim 49, wherein the step of discharging the plurality of droplets containing the liquid crystal is carried out while the first substrate is heated.

52. (New) A manufacturing method of a liquid crystal display device according to claim 50, wherein the step of discharging the plurality of droplets containing the liquid crystal is carried out while the first substrate is heated.

53. (New) A manufacturing method of a liquid crystal display device according to claim 49, wherein the steps of pasting the first and second the substrates is carried out in an inert atmosphere under an atmospheric pressure, or under reduced pressure.

54. (New) A manufacturing method of a liquid crystal display device according to claim 50, wherein the steps of pasting the first and second the substrates is carried out in an inert atmosphere under an atmospheric pressure, or under reduced pressure.

55. (New) A manufacturing method of a liquid crystal display device according to claim 49, wherein the plurality of droplets containing the liquid crystal are discharged over a pixel electrode under reduced pressure.

56. (New) A manufacturing method of a liquid crystal display device according to claim 50, wherein the plurality of droplets containing the liquid crystal are discharged over a pixel electrode under reduced pressure.

57. (New) A manufacturing method of a liquid crystal display device according to claim 49, wherein the liquid crystal is applied intermittently.

58. (New) A manufacturing method of a liquid crystal display device according to claim 50, wherein the liquid crystal is applied intermittently.

59. (New) A manufacturing method of a liquid crystal display device according to claim 49, wherein the liquid crystal is applied continuously.

Attorney Docket No. 740756-2694
Serial No. 10/757,459
Page 10

60. (New) A manufacturing method of a liquid crystal display device according to claim 50, wherein the liquid crystal is applied continuously.

61. (New) A manufacturing method of a liquid crystal display device according to claim 49, wherein the liquid crystal display device is an active matrix type.

62. (New) A manufacturing method of a liquid crystal display device according to claim 50, wherein the liquid crystal display device is an active matrix type.

63. (New) A manufacturing method of a liquid crystal display device according to claim 49, wherein the liquid crystal display device is a passive matrix type.

64. (New) A manufacturing method of a liquid crystal display device according to claim 50, wherein the liquid crystal display device is a passive matrix type.

65. (New) A manufacturing method of a liquid crystal display device according to claim 49, wherein the seal material layer is formed by ink-jet.

66. (New) A manufacturing method of a liquid crystal display device according to claim 50, wherein the first seal material layer and the second seal material layer are formed by ink-jet.

67. (New) A manufacturing method of a liquid crystal display device according to claim 49, wherein the plurality of droplets containing the liquid crystal are discharged on the region under reduced pressure.

68. (New) A manufacturing method of a liquid crystal display device according to claim 50, wherein the plurality of droplets containing the liquid crystal are discharged on the region under reduced pressure.